

Title (en)
HEAT INSULATOR MADE OF SHAPE MEMORY POLYMER FOAM

Publication
EP 0365954 A3 19910109 (EN)

Application
EP 89119131 A 19891014

Priority
JP 26416988 A 19881021

Abstract (en)
[origin: EP0365954A2] A heat insulator made of shape memory polymer foam which has good moldability and changes greatly in elastic modulus above and below its glass transition point, and a heat insulator as mentioned above in which the polymer foam is polyurethane produced by prepolymer process from a composition containing a blowing agent, said composition being composed of a difunctional diisocyanate, a difunctional polyol, and a difunctional chain extender containing active hydrogen in a molar ratio of 2.00-1.10 : 1.00 : 1.00-0.10, said polyurethane containing approximately equal amounts of NCO groups and OH groups at the terminals of the molecular chains and having a glass transition point of -50 to 60 DEG C and a crystallinity of 3 to 50 wt%.

IPC 1-7
C08G 18/00; **C08G 18/66**

IPC 8 full level
B29C 61/06 (2006.01); **C08G 18/10** (2006.01); **C08G 18/65** (2006.01); **C08J 9/04** (2006.01)

CPC (source: EP KR US)
C08G 18/10 (2013.01 - EP US); **C08J 9/04** (2013.01 - KR); **C08G 2101/00** (2013.01 - EP US); **C08G 2250/00** (2013.01 - EP US); **C08G 2280/00** (2013.01 - EP US)

Citation (search report)

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- [A] FR 1549412 A 19681213
- [A] FR 1534052 A 19680726 - DUNLOP SA
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- [A] PATENT ABSTRACTS OF JAPAN, vol. 11, no. 163 (C-424)[2610], 26th May 1987; & JP-A-61 293 214 (MITSUBISHI HEAVY IND. LTD) 24-12-1986

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